

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 1.5 cm

Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.04	991	AMPS	26.0	26.0	Left Cheek	IN	0.5877
824.04	991	AMPS	26.0	26.0	Left Cheek	OUT	0.5861
835.89	363	AMPS	26.0	26.0	Left Cheek	IN	0.8693
835.89	363	AMPS	26.0	26.0	Left Cheek	OUT	1.0818
848.97	799	AMPS	26.1	26.0	Left Cheek	IN	0.6827
848.97	799	AMPS	26.1	26.0	Left Cheek	OUT	0.7716
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. A
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 1.3 cm

Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.04	991	AMPS	26.0	26.0	Left Tilt	IN	0.4790
824.04	991	AMPS	26.0	26.0	Left Tilt	OUT	0.4853
835.89	363	AMPS	26.0	26.0	Left Tilt	IN	0.9601
835.89	363	AMPS	26.0	26.0	Left Tilt	OUT	1.0161
848.97	799	AMPS	26.1	26.0	Left Tilt	IN	0.5562
848.97	799	AMPS	26.1	26.0	Left Tilt	OUT	0.6290
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. B
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 2.0 cm

Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.04	991	AMPS	26.0	26.0	Right Cheek	IN	0.3943
824.04	991	AMPS	26.0	26.0	Right Cheek	OUT	0.5988
835.89	363	AMPS	26.0	26.0	Right Cheek	IN	1.0569
835.89	363	AMPS	26.0	26.0	Right Cheek	OUT	1.1281
848.97	799	AMPS	26.1	26.0	Right Cheek	IN	0.6021
848.97	799	AMPS	26.1	26.0	Right Cheek	OUT	0.6648
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. C
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 1.7 cm

Measurement Results (AMPS Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.04	991	AMPS	26.0	26.0	Right Tilt	IN	0.5716
824.04	991	AMPS	26.0	26.0	Right Tilt	OUT	0.4517
835.89	363	AMPS	26.0	26.0	Right Tilt	IN	0.7082
835.89	363	AMPS	26.0	26.0	Right Tilt	OUT	1.0240
848.97	799	AMPS	26.1	26.0	Right Tilt	IN	0.6690
848.97	799	AMPS	26.1	26.0	Right Tilt	OUT	0.8002
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. D
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 1.5 cm

Measurement Results (CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.70	1013	CDMA	25.5	25.5	Left Cheek	IN	0.5514
824.70	1013	CDMA	25.5	25.5	Left Cheek	OUT	0.4507
835.89	363	CDMA	25.5	25.5	Left Cheek	IN	0.9201
835.89	363	CDMA	25.5	25.5	Left Cheek	OUT	0.9338
848.31	777	CDMA	25.5	25.5	Left Cheek	IN	0.6601
848.31	777	CDMA	25.5	25.5	Left Cheek	OUT	0.7554
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. E
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 1.3 cm

Measurement Results (CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.70	1013	CDMA	25.5	25.5	Left Tilt	IN	0.5980
824.70	1013	CDMA	25.5	25.5	Left Tilt	OUT	0.5718
835.89	363	CDMA	25.5	25.5	Left Tilt	IN	0.8933
835.89	363	CDMA	25.5	25.5	Left Tilt	OUT	0.9415
848.31	777	CDMA	25.5	25.5	Left Tilt	IN	0.6526
848.31	777	CDMA	25.5	25.5	Left Tilt	OUT	0.6943
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. F
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 2.0 cm

Measurement Results (CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.70	1013	CDMA	25.5	25.5	Right Cheek	IN	0.5311
824.70	1013	CDMA	25.5	25.5	Right Cheek	OUT	0.5305
835.89	363	CDMA	25.5	25.5	Right Cheek	IN	0.8145
835.89	363	CDMA	25.5	25.5	Right Cheek	OUT	1.0061
848.31	777	CDMA	25.5	25.5	Right Cheek	IN	0.6400
848.31	777	CDMA	25.5	25.5	Right Cheek	OUT	0.6722
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. G
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type:	Brain
Dielectric Constant:	41.5
Conductivity:	0.90

Closest Distance (between E-Probe & Phone): 1.7 cm

Measurement Results (CDMA Head SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.70	1013	CDMA	25.5	25.5	Right Tilt	IN	0.6601
824.70	1013	CDMA	25.5	25.5	Right Tilt	OUT	0.6619
835.89	363	CDMA	25.5	25.5	Right Tilt	IN	0.8985
835.89	363	CDMA	25.5	25.5	Right Tilt	OUT	1.0213
848.31	777	CDMA	25.5	25.5	Right Tilt	IN	0.6036
848.31	777	CDMA	25.5	25.5	Right Tilt	OUT	0.7496
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☒ Head ☐ Body ☐ Hand


Randy Ortanez
President



Fig. H
Head SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)

SAR TEST DATA SUMMARY

Ambient TEMPERATURE (°C)	21.1
Relative HUMIDITY (%)	50.2
Atmospheric PRESSURE (kPa)	101.3

Measured Values:

Mixture Type: Muscle
Dielectric Constant: 56.1
Conductivity: 0.95

Closest Distance (between E-Probe & Phone): 1.5 cm

Measurement Results (Body SAR)

FREQUENCY		Modulation	POWER (dBm)		Phantom Position	Antenna Position	SAR (W/kg)
MHz	Ch.		Start	End			
824.04	991	AMPS	26.0	26.0	Abdomen	IN	0.3689
824.04	991	AMPS	26.0	26.0	Abdomen	OUT	0.4355
835.89	363	AMPS	26.0	26.0	Abdomen	IN	0.7224
835.89	363	AMPS	26.0	26.0	Abdomen	OUT	0.7945
848.97	799	AMPS	26.1	26.0	Abdomen	IN	0.5751
848.97	799	AMPS	26.1	26.0	Abdomen	OUT	0.6277
835.89	363	CDMA	25.5	25.5	Abdomen	IN	0.7012
835.89	363	CDMA	25.5	25.5	Abdomen	OUT	0.7383
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Body 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration.
- All modes of operation were investigated and the worst-case are reported.
- Power Measured ☒ Conducted ☐ EIRP ☐ ERP
- SAR Measurement System ☐ SPEAG ☒ IDX
- SAR Configuration ☐ Head ☒ Body ☐ Hand
- Test Configuration ☐ Body Holster ☒ Without Body Holster


 Randy Ortanez
 President



Fig. 1

Body SAR Test Setup

SAMSUNG FCC ID: A3LSCH-N315 (Model: SCH-N315)
Dual-Mode Cellular Phone (AMPS/CDMA)